

I CLAIM:

1. An improved structure of a shutter to a control valve of a range burner control, wherein, an air outlet port for the larger flame and another air outlet port for the smaller flame containing an air pocket is provided in recess to the
5 peripheral of the shutter that controls the gas flux in the control valve of the range when a control knob is dialed, characterized by a deeper oil groove than the air pocket being provided; the oil groove further moving in from the center and out from both edges each at an ascending inclination from the air outlet to a control valve of the range for the oil groove to protrude of the circumference
10 of the air pocket to define an air guide profile; and the air outlet port for the smaller flame being provided at a higher location in the air pocket at a distance from the oil groove.
2. An improved structure of a shutter to a control valve of a range as claimed in Claim 1, wherein, the oil groove relates to a groove in a profile
15 with an arc-cut groove in recess.
3. An improved structure of a shutter to a control valve of a range as claimed in Claim 1, wherein, both the air pocket and the oil groove form an upside-down trapezoid groove.